

SOMALILAND PROTECTORATE



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ANNUAL  
REVIEW OF DEVELOPMENT  
1957-1958

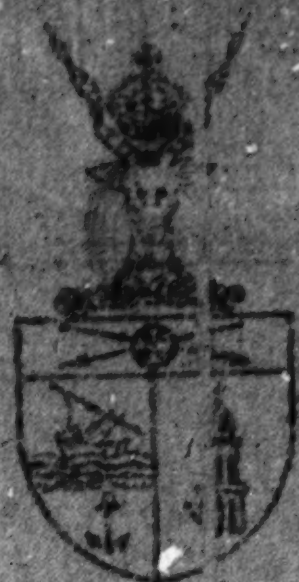
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SOMALILAND PROTECTORATE



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1927-1928

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## SOMALILAND PROTECTORATE

### ANNUAL REVIEW OF THE DEVELOPMENT PROGRAMME

in respect of the period

1ST APRIL, 1957, TO 31ST MARCH, 1958.

#### INTRODUCTION.

During the past year considerable progress has been made under the Protectorate's Development Programme and there is now little doubt that the execution of the target plan which provides for the expenditure of £2.47 million during the current development period is within the Protectorate's capacity provided that no unforeseen difficulties arise.

Eight new schemes were approved during the period. In April, a grant of £1,500 was made to provide for the construction of a rest house at Ga'an Libah and in May an initial grant of £55,440 was made to provide for the construction of buildings and the purchase of equipment for Adult, Elementary and Girls' Education, Vocational Training, the Education Transport Pool and for the administration of the Education Department. A further grant of £300 was also approved in the same month to cover the training in the United Kingdom of a Somali Administrator for the Save the Children Fund Home in Hargeisa. Details of these three schemes were included in the previous Review of Development.

In September, approval was given for a Live-stock Improvement Scheme and an initial grant of £9,000 was made to finance this scheme until the 31st March, 1958. Later in the year a grant of £15,600 was approved to cover part of the cost of the construction of a Police Training School at Mandera, the balance of the expenditure to be met from local revenue, and a grant of £122,000 was approved to provide for the building of a new Secondary School at Sheikh and for the initial purchase of science equipment.

Both the schemes which were mentioned in the last Review are awaiting the approval of the Secretary of State, the first for the construction of a new Airport Terminal at Hargeisa and the second for the Investigation and Development of Rural Water Supplies, were also approved during the course of the year. A capital grant of £14,180 was provided in respect of the former to cover approximately 95% of the cost of construction and an initial grant of £40,000 was approved in respect of the latter to cover expenditure up to the 31st March, 1958, in the first instance.

In addition to the eight new schemes, revised schemes for the Development of Berbera Port and for the Control of Tuberculosis also received approval during this period.



Notes are given in this Review on the progress which has been made during the year under all active C.D. and W. Schemes, together with details of expenditure on each scheme up to the 31st March, 1958. Details are also included of both new and revised schemes and of applications for supplementary grants required for existing schemes which were awaiting approval at the 31st March. A Financial Summary is given at the end of the Review.

Hargeisa,  
June, 1958.



SCHEMES FINANCED FROM THE PROPORTIONATE ALLOCATION OF  
COLONIAL DEVELOPMENT AND WELFARE FUNDS.

1. Improvement of Hides and Skins.

(Scheme D. 1446 B).

The Hides and Skins Improvement Officer, assisted by his locally trained staff of Skin Graders, continued his extension and educational work. The sheep-dipping service and livestock spraying facilities are now controlled by this officer.

The exhibition of skins and skin products was maintained throughout the year and selected items were exhibited at the Trade Fair which was held at Mogadishu in September and October, 1957.

The power operated baling press for skins intended for export, which was referred to in the last Review, was installed at Berbera and it is anticipated that this will prove of considerable assistance to the export trade.

Proposals for the enactment of comprehensive legislation to regulate and improve the skins trade have been under consideration for some time but unfortunately there is still no sign that such legislation would be accepted by the local merchants and traders. At the end of the year a proposal was made that simple legislation to cover grading and storage only, in the first instance, should be introduced. Whilst this would have little effect on the fundamental issues it at least has the merit that it would probably be accepted by all concerned and it would be a definite step in the right direction. It is hoped that it will be possible to enact this legislation during 1958.

|                         |          |
|-------------------------|----------|
| Approved Grant          |          |
| (including balance from |          |
| previous period)        | £20,597  |
| Expenditure 1956/57     | £ 4,827  |
| Expenditure 1957/58     | £ 5,212. |

2. Agricultural Credit.

(Scheme D.1740 B).

In the early stages difficulty was experienced in obtaining repayment of the loans which were made under this scheme. This situation, however, has now improved considerably and most repayments are made regularly.

Recent loans have mainly been for the purpose of enabling farmers to purchase plough oxen for use in



constructing earth banks for soil and water conservation and later for use in ploughing their fields.

|                                          |                |
|------------------------------------------|----------------|
| Approved Grant                           |                |
| (including balance from previous period) | <u>£5,041</u>  |
| Expenditure 1956/57                      | £1,118         |
| Expenditure 1957/58                      | <u>£1,165.</u> |

3. Gum and Incense Warehouse in Aden.

(Scheme D.2235 and A).

A new site for the proposed warehouse was eventually found and the purchase price of £1,677/2/- was paid to the Aden Government. Unfortunately, it was then discovered that this site could not be used owing to the presence on it of a Muslim praying platform. An alternative site was then offered by the Aden Government and, after inspection, was agreed to by the Protectorate Government provided that the incinerators which were situated nearby were removed. This was a necessary proviso as gum is absorbent and if it should become tainted with incinerator fumes it would be ruined. Negotiations for this new site were still in progress at the end of the year.

The long delay in implementing this scheme has been extremely unfortunate and has probably resulted in considerable loss to the Somali merchants. It is therefore hoped that it will be possible to complete the negotiations for the new site and to commence building in the near future.

|                     |                 |
|---------------------|-----------------|
| Approved Grant      | <u>£22,400</u>  |
| Expenditure 1957/58 | <u>£ 1,678.</u> |

4. Intermediate Day School.

(Scheme D.2552):

Work on the school has been completed apart from the levelling of the playing fields.

|                     |                |
|---------------------|----------------|
| Approved Grant      | <u>£9,250</u>  |
| Expenditure 1955/57 | £6,767         |
| Expenditure 1957/58 | <u>£1,216.</u> |



5. Camel Abattoir and Factory.  
(Scheme D. 2801).

No progress has been made with this scheme, nor with a later proposal that it should be converted to a scheme for an abattoir and cold storage factory for the export of frozen mutton, as it is at present impossible to buy animals for slaughter at competitive prices. It has therefore been recommended to the Secretary of State that this scheme should be closed down and that the Factory Manager's experience with stock should be made use of in an enlarged Livestock Improvement Scheme. Should, however, there be any significant change in the major factors influencing cost then consideration would be given to the preparation of proposals for a new scheme but it is not anticipated that any such proposals will be made during the current development period.

|                     |          |
|---------------------|----------|
| Approved Grant      | £68,000  |
| Expenditure 1956/57 | £ 2,584  |
| Expenditure 1957/58 | £ 5,747. |

6. Technical Education.  
(Scheme D.2802 and A).

All building is now complete although some equipment is still on order.

|                     |          |
|---------------------|----------|
| Approved Grant      | £36,698  |
| Expenditure 1956/57 | £ 2,409  |
| Expenditure 1957/58 | £10,346. |

In addition to the grant from C.D. and W. funds it is estimated that the contribution to this scheme from local funds in the current development period up to 31st March, 1960, will total £13,438.

7. Temporary Expatriate Staff - Education Department.  
(Scheme D. 2803 and A).

This scheme originally provided for an establishment of 5 Education Officers and 4 Women Education Officers whilst provision was included under the Protectorate Estimates for an additional 4 Education Officers and 3 Women Education Officers. In view of the additional recurrent commitments which the Protectorate assumed with effect from 1st April, 1957, in respect of Education Scheme No. D. 3142 it was necessary at the same



time to reduce the Protectorate's contribution to this project by transferring the 4 Education Officers from the Protectorate budget to the scheme. The overall establishment of Education Officers was also reduced by 1 to make a total of 8.

Approval was received for the appointment of a Women Adult Education Officer, who arrived towards the end of the financial year, and for the establishment of Women Education Officers to be increased accordingly.

In addition to the Woman Adult Education Officer, one Education Officer (Technical) and two other Women Education Officers arrived during the year. One Education Officer left on completion of his contract and his replacement has been recruited but has not yet arrived in the Protectorate.

With regard to the building programme, houses for 2 Training Officers, a Woman Education Officer and an Inspector of Works have been completed and the remaining houses are in varying stages of completion.

|                     |          |
|---------------------|----------|
| Approved Grant      | £82,320  |
| Expenditure 1956/57 | £7,873   |
| Expenditure 1957/58 | £52,663. |

In addition to the grant from C.D. and W. funds it is estimated that the contribution to this scheme from local funds in the current development period up to 31st March, 1960, will total £40,206.

8. Development Officer.  
(Scheme D.2804).

The Development Officer, who assists the Director of the Department of Natural Resources with the administration of his department's C.D. and W. Schemes, was present throughout the year.

|                     |         |
|---------------------|---------|
| Approved Grant      | £6,790  |
| Expenditure 1956/57 | £1,593  |
| Expenditure 1957/58 | £1,766. |

9. Girls' Boarding School - (Girls' Education).  
(Scheme D.2805).

The cost of additional capital items in the expansion programme for Girls' Education has now been



taken over by Scheme D.3142. (See Item No. 31).

|                     |        |
|---------------------|--------|
| Approved Grant      | £1,694 |
| Expenditure 1956/57 | £ 920  |
| Expenditure 1957/58 | £ -.   |

In addition to the grant from C.D. and W. funds it is estimated that the contribution to this scheme from local funds in the current development period up to 31st March, 1960, will total £13,435.

10. Date Cultivation.  
(Scheme D. 2806).

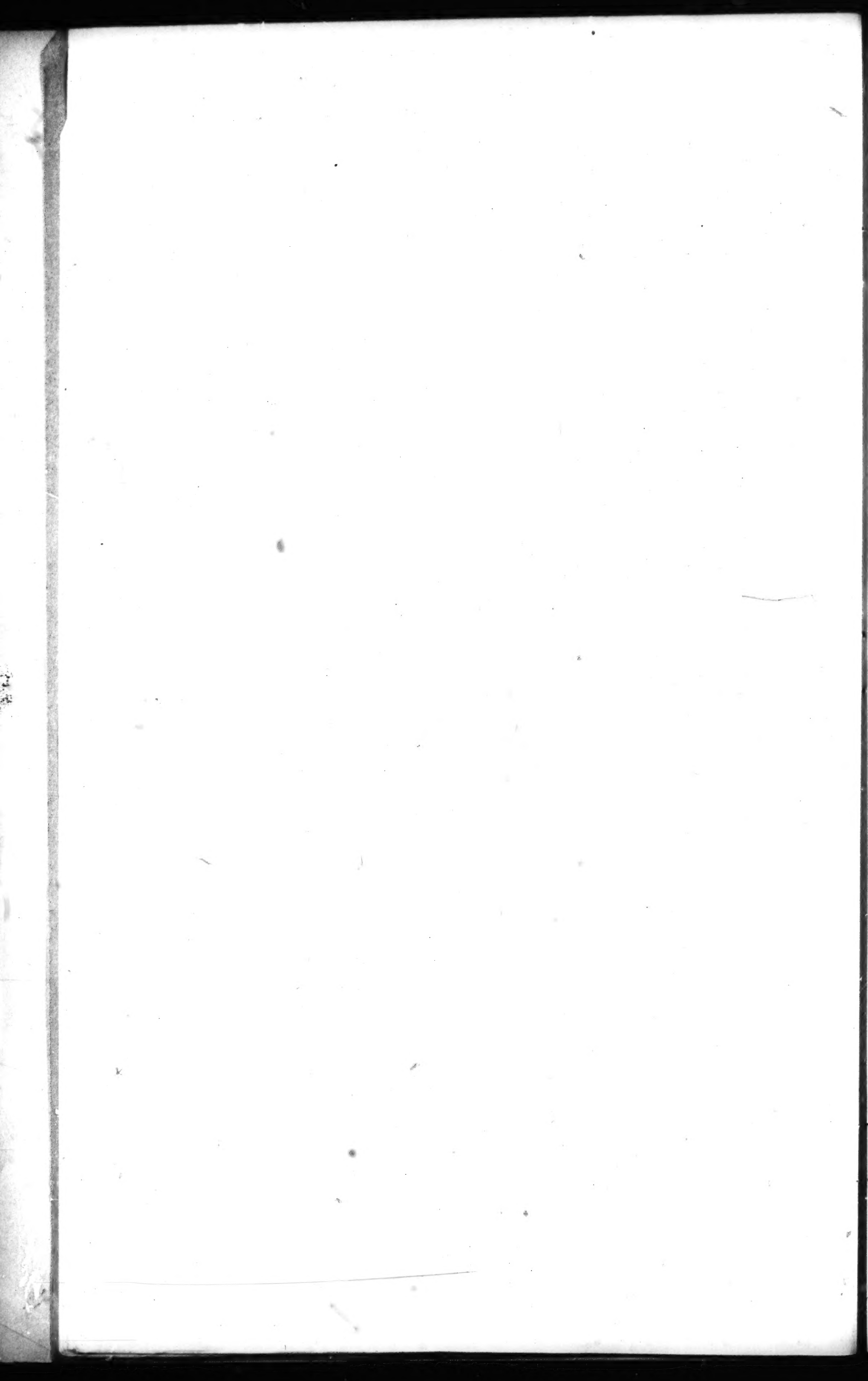
The Agronomist left the Protectorate in May and a new Agronomist was appointed in November. From May to November the scheme was under the supervision of the Agricultural Officer, Burao.

The attention given to this scheme in recent years has been inadequate as there has been no permanent officer in charge. It is feared that watering has not always been sufficient and work during 1957 has been concentrated on providing more water. Two additional Persian wheels have been erected and improved channels have been constructed in the gardens.

The introduced palms are now beginning to yield more and the time is approaching when the varieties to be used for extension work will be determined. The total number of varieties from which the selection will be made has been narrowed down to 10.

The small Barakalla and Batalaaleh gardens on the coast have been abandoned to date cultivation. Conditions were too saline and too exposed to make this type of site suitable for extension work. The best sites will be those with accessible permanent water in the foothills north of the main escarpment.

With the extension of date cultivation in mind attempts were made in three places to encourage local farmers to build up suitable gardens and irrigation supplies with Government assistance. At Silai farmers co-operated but graziers proved difficult, at Manjasseh the proposal was agreed to at the end of the year but work has not yet started, and at Gaan, East of Las Khereh, help was refused as the people considered that Government should do all the work. It is evident that much extension work must take place and any proposals for a continuation of this scheme after the end of the present development



period should make provision for this.

|                     |          |
|---------------------|----------|
| Approved Grant      | £18,469  |
| Expenditure 1956/57 | £ 6,600  |
| Expenditure 1957/58 | £ 7,434. |

#### 11. Fisheries.

(Scheme D.2807)

The life of the existing grant was formally extended from the 30th September to the 31st December, 1957, to allow further consideration to be given to this scheme. It was not considered, however, that any success could be achieved with it in its present form and all expenditure therefore ceased at the end of 1957 and the scheme is now in the process of being formally wound up. This, however, does not preclude the possibility of consideration being given to a further Fisheries Scheme at some later date if it is considered that circumstances would then enable a successful project to be launched.

|                     |        |
|---------------------|--------|
| Approved Grant      | £2,100 |
| Expenditure 1956/57 | £1,610 |
| Expenditure 1957/58 | £ 183. |

#### 12. Bonification.

(Scheme D.2808).

Good progress has been made at the demonstration area at Bogal Jirreh. Construction of earth banks on all farms has been completed, grazing control is being started on the non-arable area, the camp, including a class-room and dormitory, has been completed and the upper dams are complete and have had spillways slightly modified in the light of experience. The development work which remains to be carried out includes work on the lower dam and levelling of the fields in some of the top farms.

Crops promised well at the beginning of the season but with heavy locust attacks and little rain after the attacks recovery was poor. Nevertheless, crops on this area were better than in the remainder of the Hargeisa valley due to the water which was held and distributed by the earth-works.

The heads and sides of reclaimed gullies have now been inactive for two seasons and the gullies are beginning to grass up. Grassing of the dam banks is proving difficult.



The scheme now possesses two Massey-Ferguson tractors, one MF 20 and one MF 35, and one International Harvester Crawler tractor.

Development work at Bogal Jirreh has been carried out by direct Government labour as the area has been largely for experimental and demonstration purposes. A new area has now been selected for development at Taisa, which is also in the Hargeisa district, but greater contributions will be required there from the farmers.

|                     |          |
|---------------------|----------|
| Approved Grant      | £ 21,000 |
| Expenditure 1956/57 | £ 3,011  |
| Expenditure 1957/58 | £ 8,508. |

13. Transport Pool for Agricultural Schemes.  
(Scheme D. 2809).

Six Land Rovers were maintained in this scheme during the year.

|                     |         |
|---------------------|---------|
| Approved Grant      | £7,662  |
| Expenditure 1956/57 | £2,829  |
| Expenditure 1957/58 | £1,015. |

14. Experimental Farms.  
(Scheme D. 2818).

1957 was the fourth crop season at the experimental farm at Aborein. The removal of the top thorn fence and the use of earth banks and water channels has solved for the first time the problem of the great variation in results due to uneven distribution of water.

Experimental work during the year included the following:-

(a) An experiment was made that showed that increased use of kraal manure gives considerably increased fodder yields of sorghum. Owing to attacks by the desert locust results were not significant for the grain yield.

(b) It was shown that no significant differences for fodder or grain yields were obtained using artificial fertilisers on sorghum. This may, however, be attributed to the insect attacks.



(c) It was shown that tractor ploughing, compared with bullock ploughing, gave an increased grain yield of Elmi Jama sorghum of 163.4 lbs. per acre.

Fernasan seed dressing increased the fodder yields by 714.4 lbs. per acre.

Neither of these results is conclusive but they indicate a trend and further investigation will be carried out.

(d) An experiment to test the residual effect of 5 tons per acre of kraal manure and 4 cwt. per acre of Mait guano was completely wrecked by the desert locust.

(e) Observation plots, i.e. not statistical experiments, gave the following information:-

|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| <u>Cotton</u>     | American type upland BP52<br>(NL 56) (ex Uganda)<br>yielded 1648 lbs. per acre. |
| <u>Safflower</u>  | yielded 1020 lbs. per acre.                                                     |
| <u>Sunflower</u>  | yielded 1100 lbs. per acre.                                                     |
| <u>Groundnuts</u> | yielded 1140 lbs. per acre.                                                     |

These were all under bunded conditions.

(f) In a nursery at Arapsiyo an attempt is being made to produce a supply of budded citrus suitable for distribution.

|                     |               |
|---------------------|---------------|
| Approved Grant      | <u>£4,750</u> |
| Expenditure 1956/57 | £1,511        |
| Expenditure 1957/58 | <u>£ 933.</u> |

#### 15. Mobile Cinema.

(Scheme D. 2819).

The cinema arrived in December and has proved its worth on visits which have now been made to most parts of the country.

|                     |                |
|---------------------|----------------|
| Approved Grant      | <u>£2,850</u>  |
| Expenditure 1956/57 | £ 230          |
| Expenditure 1957/58 | <u>£2,620.</u> |

#### 16. Senior Secondary School (Secondary Education).

(Scheme D.2827).

The proposals for the construction of a new



Secondary School at Sheikh, referred to in the last Review, have now been approved under a new scheme - D. 3287. (See Item No. 37).-

|                     |               |
|---------------------|---------------|
| Approved Grant      | <u>£8,214</u> |
| Expenditure 1956/57 | <u>£5,486</u> |
| Expenditure 1957/58 | <u>£ 132.</u> |

In addition to the grant from C.D. and W. funds it is estimated that the contribution to this scheme from local funds in the current development period up to 31st March, 1960, will total £17,601.

17. New Broadcasting Station.  
(Scheme D. 2849 and A).

The approach road has been completed and now only requires to be linked up to the main road.

|                                                                                          |                |
|------------------------------------------------------------------------------------------|----------------|
| Approved Grant                                                                           | <u>£2,250</u>  |
| (from the Protector-<br>ate allocation to<br>meet half the cost<br>of the approach road) |                |
| Expenditure 1957/58                                                                      | <u>£2,138.</u> |

For further details of this scheme see Item No.2 under "Schemes Financed from the Central Allocation of C.D. and W. Funds".

18. Geological Survey.  
(Scheme D. 2858 and A).

The Geological Survey Scheme is financed principally from the Central Allocation of C.D. and W. funds. Part of the costs of recurrent expenditure, however, have to be met on a tapering basis either from local revenue or from the Protectorate's allocation of C.D. and W. funds. During the year an initial grant of £10,624 was approved under Scheme D.2858A to meet the cost of the Protectorate's contribution of 20% of the first £19,013 and 30% of the next £22,736 of recurrent costs.

|                     |                 |
|---------------------|-----------------|
| Approved Grant      | <u>£10,624</u>  |
| Expenditure 1956/58 | <u>£ 4,913.</u> |



For further details of this scheme see Item No. 3 under "Schemes Financed from the Central Allocation of C.D. and W. Funds".

19. Forestry.

(Scheme D.2860 and A).

For the first time all senior staff vacancies were filled. This will enable a start to be made with more intensive management of forest reserves (including a sawmill at Al Medu) and further reservation with adequate demarcation of new reserves. Hitherto it has not been possible to demarcate reserves so that they are properly recognised by the public.

Grazing control (in conjunction with Scheme D.2944 - Range Management) remains one of the most important aspects of the work. Apart from the areas mentioned under Scheme D.2944 there has been gradual improvement in the control of the movement of stock within forest reserves. The other important aspect of forestry is catchment area control without which water supplies are endangered and the life of irrigation schemes is shortened. A start in this work has been made at Ga'an Libah but for any large scale extension heavy machinery will be required. 45 miles of water retaining banks have been completed.

Test plantations of 3 species of pine are being tried to see whether these trees can be used to enrich the relict Juniper forest.

An experiment to establish Conocarpus lancifolius in a western wadi is being carried out near Lafarug. The plantations at Berbera were only increased by about 5 acres owing to the paucity of prison labour upon which the project depends.

Underground cement storage tanks for dry season nursery work have been built at Daloh and Ga'an Libah. A stores building was also constructed at Ga'an Libah with I.C.A. assistance.

Whalehide tarred paper pots have been found most suitable for nursery work in the Protectorate. They withstand up to 18 months watering, i.e. 2 dry seasons if necessary.

Charcoal and lime-burning control was established in all districts with the increased staff.

The small portable mill at Erigavo has been producing a steady supply of small sizes of sawn timber suitable for window and door frames and for flooring blocks. The recently approved larger sawmill for Al Medu



has not yet been ordered but enquiries and investigations are in progress.

One Forest Ranger is attending a two year course at the Cyprus Forestry College and two Learner Rangers are attending a two year course at the Tanganyika Forestry School. Courses lasting four weeks were held for 35 Forest Guards.

|                     |          |
|---------------------|----------|
| Approved Grant      | £74,389  |
| Expenditure 1956/57 | £22,774  |
| Expenditure 1957/58 | £30,380. |

20. Scholarships and Training Abroad.  
(Scheme D. 2876 and A and B and C).

Of the 23 Somalis who commenced their training abroad in 1956, 21 remained on their courses at the 31st March, 1958. One student returned in May, 1957, and one scholarship was cancelled.

Forty one students began their courses during the period under review and two of them completed their courses during this period. The remaining 39 were still abroad at the 31st March, 1958, and these, with the 21 who started their courses in 1956, were distributed as follows:-

|                   |     |                |
|-------------------|-----|----------------|
| In United Kingdom | ... | 52             |
| In Cyprus         | ... | 1              |
| In Tanganyika     | ... | 2              |
| In Sudan          | ... | 1              |
| In Kenya          | ... | 4              |
|                   |     | <hr/> 60 <hr/> |

Scholarships and Courses of Training are awarded to Somalis to qualify them for posts in the Civil Service. The 60 Somalis who were on courses abroad on the 31st March, 1958, are earmarked for departments as follows:-

|                      |     |                 |
|----------------------|-----|-----------------|
| Accountant General   | ... | 3               |
| Administration       | ... | 5               |
| Education            | ... | 11              |
| Health               | ... | 9               |
| Information          | ... | 1               |
| Judicial/Legal       | ... | 2               |
| Natural Resources    | ... | 9               |
| Posts and Telegraphs | ... | 4               |
| Public Works         | ... | 15              |
| Unallocated          | ... | 1               |
|                      |     | <hr/> 60. <hr/> |



|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | £42,265         |
| Expenditure 1956/57        | £ 6,155         |
| <u>Expenditure 1957/58</u> | <u>£26,577.</u> |

21. Development Staff and Services - Public Works Department.  
(Scheme D. 2895 and A).

All houses, additional workshops, stores and the new building plant store which were scheduled for construction in 1957/58 have been completed.

|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | £79,754.        |
| Expenditure 1956/57        | £ 4,976         |
| <u>Expenditure 1957/58</u> | <u>£42,648.</u> |

22. Intermediate Education.  
(Scheme D. 2896 and A).

At Brigavo, good progress has been made with the construction of the Intermediate Boarding School. Almost all the buildings in the school area were under construction on the 31st March and in many cases only plastering and interior decoration remained to be done. The installation of the water supply is under way.

The Intermediate Day School at Burao has been completed, except for latrines and fencing, and at Borama work on the Intermediate Day School is nearing completion. Work on the Intermediate Boarding School at Gebileh has started.

|                            |                  |
|----------------------------|------------------|
| Approved Grant             | £120,275         |
| Expenditure 1956/57        | £ 3,918          |
| <u>Expenditure 1957/58</u> | <u>£ 67,054.</u> |

In addition to the grant from C.D. and W. funds it is estimated that the contribution to this scheme from local funds in the current development period up to 31st March, 1960, will total £17,816.

23. Range Management.  
(Scheme D. 2944 and A).

An Assistant Conservator of Forests was recruited for this scheme in November.



During the year about 2,400 square miles were closed to grazing for up to 5 months. The effectiveness in different areas varied, as did the co-operation obtained from the tribes. Owing to several attacks by the desert locust the areas had to be opened earlier than was originally intended so that locusts did not take the grazing reserved for livestock. In addition to this, about 180 square miles were maintained under year-long control with an elementary system of rotational grazing.

Range Management is a subject requiring continuous and intensive educational and propaganda work amongst the nomadic graziers and also amongst merchants, elders and Government officials. The closures in 1956 and 1957 were the direct result of the work of a few officers. For various reasons this intensive work was not possible at the end of 1957/58 and 1958 closures are not likely to be large. With the recently increased staff, however, foundations are being laid for more continuous management of these extensive areas in future.

|                     |                 |
|---------------------|-----------------|
| Approved Grant      | <u>£28,628</u>  |
| Expenditure 1956/57 | £ 2,264         |
| Expenditure 1957/58 | <u>£ 8,231.</u> |

24. Agricultural Education.  
(Scheme D. 2945).

The building in which training in rural science will be provided for Agricultural Instructors, Stock Inspectors, Forest Rangers, Skin Graders and other staff of the Department of Natural Resources was completed during the year. It contains a classroom, a laboratory with bench space and sink for each student and an office/store for the Education Officer in charge.

The first course of 14 students, who had commenced their training in temporary accommodation, moved into the building in June and completed their 16-month course in November. A short course was then held from November to February for 11 students.

A new instructor is awaited by the Department of Education for the course which is to start in 1958. Laboratory equipment, chemicals, books and other materials have been obtained.

|                     |               |
|---------------------|---------------|
| Approved Grant      | <u>£2,500</u> |
| Expenditure 1956/57 | £ 909         |
| Expenditure 1957/58 | <u>£ 817.</u> |



25. Somali Dictionary.  
(Scheme D.2970).

Work on the preparation of this dictionary continued during the year although progress was unfortunately held up for a short while due to the illness of the person who is carrying out the work.

|                     |               |
|---------------------|---------------|
| Approved Grant      | <u>£1,720</u> |
| Expenditure 1956/57 | £ 100         |
| Expenditure 1957/58 | <u>£ 470.</u> |

26. Irrigation and Soil Conservation.  
(Scheme D. 2984 and A).

Throughout the year this scheme has unfortunately been without an Irrigation Engineer, an Assistant Surveyor and a Mechanic. There has also been difficulty in obtaining junior staff.

The pilot flash irrigation scheme at Ber received a severe set-back when there was an exceptionally heavy flood out of season causing damage valued at £3,000. This damage was made good and by the end of the year the scheme was ready to receive its first floods. Difficulties were encountered, however, in obtaining the co-operation of the people owing to objections to the proposed system of land tenure. Preparations are, however, in progress for experimental irrigation and for experiments with agricultural and forestry crops.

In connection with the damage caused at Ber, the Hydrological Engineer noted that the widespread destruction caused by the November flood brought home most forcibly the fact that everything possible must be done to conserve the catchments as thousands of tons of top-soil are washed down every year by these floods.

Soil and water-retaining earth banks were constructed on about 300 farms. This was done in co-operation with the farmers, Government tractors preparing the ground and if necessary carrying stones and the farmers constructing the banks using bullocks and scrapers. Many of the bullocks used were obtained through the Agricultural Credit Scheme (D. 1740 B).

Minor irrigation projects were also carried out at several places to assist groups of farmers and in many cases this involved the construction of cement channels to carry water from permanent springs.

|                     |                 |
|---------------------|-----------------|
| Approved Grant      | <u>£71,500</u>  |
| Expenditure 1956/57 | £18,054         |
| Expenditure 1957/58 | <u>£32,967.</u> |



27. Hydrological Survey.

(Scheme D.3061).

At the end of the year 11 hydrological stations were being maintained to measure the amount of water passing during floods and 30 rainfall stations were being maintained, of which 12 also recorded temperatures, evaporation and humidity.

Proposals have been drawn up for a number of irrigation projects and some of these are already being put into effect under the Irrigation and Soil Conservation Scheme (D. 2984 and A).

The Hydrological Engineer, in the absence of a Field Engineer under Scheme D.2984 and A, is also responsible for the construction of the irrigation project at Ber, referred to under Item No.26 above.

|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | £24,890         |
| Expenditure 1956/57        | £ 6,250         |
| <u>Expenditure 1957/58</u> | <u>£12,167.</u> |

28. Tuberculosis Control.

(Scheme D. 3108 and A).

The original Scheme D.3108, which was described in the last Review, was approved on the understanding that certain professional staff, drugs, transport and other equipment would be provided free by the World Health Organisation and by U.N.I.C.E.F. However, there were differences of opinion between the Protectorate medical authorities and W.H.O., particularly with regard to the methods to be used for diagnosis and treatment, and in the end all hope of operating a combined scheme with the assistance of W.H.O. and U.N.I.C.E.F. was abandoned and a revised scheme was approved in February, 1958, to be financed solely from C.D. and W. funds.

Although the start of the scheme was unfortunately delayed by the disagreement with W.H.O., work commenced at Burao during the year and by the end of the present period slightly less than half of the actual building work had been carried out and work on the latrines and baths had been started. Materials were purchased for Erigavo Hospital, although building could not commence due to a shortage of staff in the Public Works Department, and approximately £5,000 worth of equipment for hostels was obtained.

|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | £88,712         |
| <u>Expenditure 1957/58</u> | <u>£12,039.</u> |



29. Investigation and Development of Hargeisa Water Supply.

(Scheme D.3121).

The Resident Engineer from Messrs Howard, Humphreys & Sons, Consulting Engineers, arrived in August, 1957. He was followed by a Foreman of Works, who arrived in December, and a Drilling Foreman, who arrived at the end of March, 1958. A Hydrological Assistant was seconded to the scheme by the Public Works Department from August, 1957, to March, 1958.

A 2/3 bedroom house and a store were built by the Public Works Department in Hargeisa and vehicles and other plant and equipment were purchased.

Over 140 observation wells have been put down at Hargeisa and Gedka Debtī and over 50 miles of tracks have been cleared and prepared to give access to investigation sites at Gedka Debtī, Dagahakureh and Arapsyo. Six rain gauges have been sited at Dagahakureh and water level gauges at Hargeisa and Dagahakureh. Construction has also begun on two gauging weirs.

Two drilling rigs arrived at the end of March and drilling commenced in Hargeisa.

Survey work has been carried out at Hargeisa and Gedka Debtī and an aerial survey by Hunting Aerosurveys was carried out over Hargeisa in December.

|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | £80,000         |
| <u>Expenditure 1957/58</u> | <u>£18,346.</u> |

30. Rest House, Ga'an Libah.

(Scheme D.3131).

The scheme for the construction of a rest house, or forest lodge as it is now more appropriately called, at Ga'an Libah was approved in April, 1957, and the building was completed during the year except for part of the flooring and some minor items of decoration and plumbing.

|                            |                |
|----------------------------|----------------|
| Approved Grant             | £1,500         |
| <u>Expenditure 1957/58</u> | <u>£1,438.</u> |

31. Education (Miscellaneous).

(Scheme D.3142).

This scheme, which was described in detail in



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the last Review, was approved in May, 1957. The progress which has been made under each section during the year is as follows:-

1. Administration.

The house for the Officer in Charge of Intermediate Schools has been built and the house for the District Education Officer, Durao, is nearly complete. The Headquarters Store, Bookshop and Teachers' Library has been completed and is in use. The equipment which is to be purchased under this section of the scheme has been ordered and many of the items have arrived.

2. Adult Education.

The building at Sheikh for Adult Courses has been completed, apart from minor work on the doors for bathrooms and latrines.

3. Elementary Education.

The grants have been issued but there has been some delay over the raising of subscriptions by the local communities. In some cases schools are at present functioning in temporary quarters.

4. Girls' Education.

The buildings are either completed or under construction and, with the exception of the Elementary School at Berbera, it is anticipated that all of them will be completed in time for the term commencing in July, 1958.

5. Transport Pool.

The vehicles have been purchased and are in use.

6. Vocational Training.

The building extension at Amud is under construction and the science equipment is on order.

|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | £55,440         |
| <u>Expenditure 1957/58</u> | <u>£42,600.</u> |

In addition to the grant from C.D. and W. funds it is estimated that the contribution to this scheme from local funds in the current development period up to 31st March, 1960, will total £41,892.



32. Training of an Administrator for the Save the Children Fund Home in Hargeisa.  
(Scheme D.3146).

A Somali was selected during the year for the post of Administrator of the Save the Children Fund Home in Hargeisa and he departed for the United Kingdom at the end of November to attend a course of training. It is anticipated that he will return to the Protectorate to take up his duties as Administrator of the Home about August, 1958.

|                            |              |
|----------------------------|--------------|
| Approved Grant             | £800         |
| <u>Expenditure 1957/58</u> | <u>£362.</u> |

33. Development of Berbera Port.  
(Scheme D.3159).

A grant of £40,000 was originally approved under Scheme D.2339 to finance improvements to Berbera Port. However, in the end no expenditure was incurred and in June, 1957, the grant was cancelled and a fresh grant of £283,000 was made under the present scheme to enable work to proceed on the construction of a jetty, complete with narrow gauge railway track, and the installation of mooring buoys.

Work commenced on this scheme during the year and a Resident Engineer and an Inspector of Works were sent out by the Consulting Engineers, Messrs Coode and Partners.

In September a start was made on the temporary site works and with the preparatory works for pile casting and by the end of March 37 piles had been driven successfully and piling had gone out to a distance of approximately 116 feet.

Several items of mechanical equipment have been received, including material testing equipment.

Detailed estimates are now being prepared in respect of the necessary shore installations and for other ancillary items and an application will shortly be made for a supplementary grant to cover the cost of the final phases of the scheme.

|                            |                  |
|----------------------------|------------------|
| Approved Grant             | £283,000         |
| <u>Expenditure 1957/58</u> | <u>£ 74,302.</u> |



34. Livestock Improvement.

(Scheme D. 3259).

This scheme was approved in September, 1957, to supplement the measures already being taken under Scheme D. 1446 for the improvement of the hides and skins industry by providing improved facilities for the control of ecto-parasitic diseases. It also provides for the encouragement of a more rational approach to the problems of over-grazing and over-stocking.

Indents were placed immediately for portable sheep dips, motor transport, drugs and other items of much needed equipment.

The first dips were received and put into operation in March, 1958, and proved to be an immediate success. It is anticipated that the use of these dips will greatly enhance the value of the work now being done by the Veterinary Staff by the reduction in the incidence of tick borne and skin disease in sheep and goats and will thereby create a marked improvement in the quality and quantity of Somaliland skins offered for sale on world markets.

In a quarantine station near Hargeisa a start has been made on the construction of a small store and of a water storage tank which will be used in connection with cattle disease control work and the investigation of the problems of cattle husbandry.

|                            |                |
|----------------------------|----------------|
| Approved Grant             | £9,000         |
| <u>Expenditure 1957/58</u> | <u>£4,568.</u> |

35. Investigation and Development of Rural Water Supplies.

(Scheme D. 3260).

The Engineer in Charge of this scheme arrived early in August, 1957, and began at once to place orders for the necessary plant and equipment and by December most of the items had arrived or were on their way.

The Water Superintendent arrived in December, the Inspector of Works was recruited in February and was stationed at Burao and the first driller arrived in March.

The Eastern part of the Protectorate was visited twice and work was started in Las Anod and Erigavo districts.



An inspection was made of all ballchs on the boundary road and advice was passed to the District Commissioners with regard to their maintenance.

In Hargeisa, 2 European quarters were built, in addition to offices and stores, and in Burao, 2 Senior Bachelor quarters and 2 non-European quarters were completed.

|                     |          |
|---------------------|----------|
| Approved Grant      | 240,000  |
| Expenditure 1957/58 | 238,555. |

36. New Airport Terminal, Hargeisa.  
(Scheme D. 3273).

A grant of £14,180 was approved in October, 1957, to finance approximately 95% of the cost of the construction of a new Airport Terminal at Hargeisa.

By the end of the year, the ground floor of the main building had been completed up to ceiling level and the garage and store block were ready for roofing. Work had almost been completed on the construction of the access road, apart from the surfacing, and preparations had been made for the installation of the water and electricity supplies.

|                     |          |
|---------------------|----------|
| Approved Grant      | £14,180  |
| Expenditure 1957/58 | £ 5,950. |

In addition to the approved grant, a contribution of £320, which is the estimated replacement element, is being made to this scheme from local funds.

37. New Secondary School, Sheikh.  
(Scheme D.3287).

Approval was received in November, 1957, for the construction of a new Secondary School at Sheikh. The architect was engaged and arrived early in 1958 and the sketch plans and working drawings have been prepared.

|                     |          |
|---------------------|----------|
| Approved Grant      | £122,000 |
| Expenditure 1957/58 | £ 505.   |



38. Police Training School, Mandera.  
(Scheme D.3303).

Proposals to build a Police Training School at Mandera were approved last year and work on the project, financed from the Protectorate budget, was begun. Further work financed from local funds was carried out this year and in December a grant of £15,600 was approved to cover the improvement and extension element of the scheme. Nearly half of the construction work has been completed and it is anticipated that the project will be completed in 1958/59.

|                            |                 |
|----------------------------|-----------------|
| Approved Grant             | <u>£15,600</u>  |
| <u>Expenditure 1957/58</u> | <u>£ 6,598.</u> |

In addition to the approved grant, a contribution of £15,000, which is the estimated replacement element, is being made to this scheme from local funds.



SCHEMES FINANCED FROM THE CENTRAL ALLOCATION OF  
COLONIAL DEVELOPMENT AND WELFARE FUNDS.

1. Anthropological Research.  
(Scheme R. 632).

The Anthropologist completed his field work and returned to the United Kingdom in June, 1957. He produced an initial report before he left but his final report has not yet been received.

|                     |                |
|---------------------|----------------|
| Approved Grant      | <u>£5,833</u>  |
| Expenditure 1955/57 | <u>£4,342</u>  |
| Expenditure 1957/58 | <u>£1,166.</u> |

2. New Broadcasting Station.  
A. (Scheme D.2143 and A and B).

The provision of a water supply for Radio Somali is still holding up the completion of this scheme. It is likely now that the plan will have to be abandoned and the pump returned to the Public Works Department, the scheme being credited with its value. The scheme will be wound up as soon as this matter has been dealt with.

|                     |                |
|---------------------|----------------|
| Approved Grant      | <u>£20,830</u> |
| Expenditure 1953/57 | <u>£20,244</u> |
| Expenditure 1957/58 | <u>£ 279.</u>  |

B. (Scheme D.2849 and A).

The transmitter was brought into use in December but some of the electrical equipment is still awaited from the manufacturers. The approach road has been completed and now merely requires to be linked up to the main road. It is hoped that the scheme can be wound up in the very near future.

|                     |                 |
|---------------------|-----------------|
| Approved Grant      | <u>£13,105</u>  |
| Expenditure 1956/57 | <u>£ 1,221</u>  |
| Expenditure 1957/58 | <u>£10,224.</u> |

In addition to the approved grant from the Central Allocation, it is proposed that half the cost of the approach road, estimated at £2,250, should be met from the Protectorate allocation of C.D. and W. funds. (See Item No. 17 under "Schemes Financed from the Protectorate Allocation of C.D. and W. Funds").



### 3. Geological Survey. (Scheme D.2858 and A).

The Department was handicapped during the year by a shortage of professional staff. There was one vacancy for a Geologist for most of the year and there were two vacancies from the beginning of 1958. The effective total strength of professional staff was therefore only about half the establishment. The absence of the one Asian Draughtsman on home leave for five months also reduced the general efficiency of the Department. A Prospector was engaged on 18-22 months' contract of service in October.

The basic reconnaissance mapping of the crystalline basement, with which the scheme is primarily concerned, was completed. A revision and some more detailed mapping of selected areas were carried out and about 120 square miles in Berbera District were thus mapped. Special investigations were undertaken on basic and ultra-basic intrusions with some possibility of economic mineral segregations.

Preliminary prospecting was done on copper, talc and beryl occurrences and a more comprehensive programme of work completed on beryl/columbite pegmatites and on gypsum/anhydrite deposits. New finds of copper, lead, iron-ore, beryl, columbite, fluorite and radio-active minerals were recorded, though with the exception of beryl and possibly columbite none of these are of economic interest. Corundum was recorded for the first time.

The Department co-operated with the Public Works Department on water supply problems and advice and reports were submitted on sub-surface resources. Close liaison was maintained with the oil companies prospecting in the Protectorate. Sets of cores and sludge samples were received for permanent storage in headquarters.

The opportunity was taken of reorganising office administration and rationalising records. A compilation of mineral occurrences was prepared for publication and four reports are in various stages of preparation for publication. Twenty-two unpublished reports were prepared with some thirty-four maps and diagrams.

|                     |                 |
|---------------------|-----------------|
| Approved Grant      | <u>£58,876</u>  |
| Expenditure 1956/57 | £18,494         |
| Expenditure 1957/58 | <u>£13,736.</u> |

In addition to the approved grant from the Central Allocation, a grant of £10,624 has also been made towards the cost of this scheme from the Protectorate Allocation. (See Item No.18 under "Schemes Financed from the Protectorate Allocation of C.D. and W. Funds").



SCHMES AWAITING APPROVAL AT 31ST MARCH, 1958.

A. NEW SCHMES.

1. Clerical Training.

It is considered urgently necessary to provide specialist clerical training both for in-service clerks and also for new entrants to the service unless the administration of the Protectorate is to be dependent indefinitely upon the recruitment of expatriate clerks from India and Pakistan.

The proposed scheme would provide for 12-month courses of training at the Protectorate Vocational Training Centre for 20 Somali clerks each year. Of these 20 places it is anticipated that 10 vacancies would be filled by clerks who are already in Government service and that the remaining 10 would be filled by pupils from the Intermediate Schools who, on the completion of their training, would enter Government service.

The total gross cost of the scheme to 31st March, 1960, is estimated at £12,273 and revenue from fees over the same period is estimated at £800.

An application has been made for an initial grant of £9,493 to cover the estimated net cost of the scheme to 31st March, 1959, in the first instance.

2. Housing for Expatriate Indian and Pakistani Clerks.

The existing accommodation for Indian and Pakistani clerks in Hargeisa is totally inadequate. To accommodate existing staff satisfactorily one block for 10 bachelors and 4 senior married quarters are required. In addition, 2 blocks to accommodate 20 bachelors will be required for additional expatriate clerks whom it will be necessary to recruit not only in order to fill existing vacancies but also to provide replacements for Somali clerks who will be undergoing training at the Vocational Training Centre under the proposed Clerical Training Scheme.

It is anticipated that the buildings will be completed in 1958/59 at an estimated cost of £19,500 and an application has been made for a grant of this amount.



B. REVISED SCHEMES.

1. Livestock Improvement.

As explained earlier in this Review it is proposed that the present Camel Abattoir and Factory Scheme (D.2801) should be closed down and that the Factory Manager should be employed as a Livestock Officer under an enlarged Livestock Improvement Scheme where his technical qualifications would be of considerable value.

The addition of a Livestock Officer to this scheme would enable the livestock industry to receive more direct help than can be given to it at present with the existing staff, it would enable additional training to be given to Stock Inspectors and it would permit more direct supervision to be exercised over the scheme than is possible at present with a consequent increase in its value to the livestock industry as a whole.

It is also proposed that the Land Rover, at present held under the Camel Abattoir Scheme, together with its driver should be transferred to the revised Livestock Improvement Scheme and that adequate laboratory facilities for diagnostic and experimental work, the bottling of bulk vaccine and the preparation of therapeutic agent for field issue should be provided.

The cost of the revised scheme to 31st March, 1960, is estimated at £29,915. A grant of £9,000 has already been provided under D.3259 and an application has been made for a supplementary grant of £11,917 to cover the estimated expenditure on the revised scheme up to the 31st March, 1959.

2. Investigation and Development of Water Supplies Outside Hargeisa.

It had always been intended that in addition to the existing scheme for the Investigation and Development of Rural Water Supplies (D.3260) there should also be a parallel scheme for the investigation and development of water supplies in townships outside Hargeisa, which is already the subject of a separate Water Investigation Scheme, and £30,000 had been included in the Protectorate's Development Plan for this purpose. The whole problem of both rural and township water supplies has, however, been recently reviewed and it has been decided that it is not practicable to draw a clear distinction



between purely rural supplies and those at other townships for the purpose of operating two water development schemes and it is therefore proposed that the present scheme for rural water supplies should be revised so as to include the investigation and development of both rural and township water supplies in one comprehensive water development project.

The main emphasis of the revised scheme will continue to be on the development of water supplies for the nomadic population of the Protectorate but, in addition, the extra financial provision will enable essential work to commence in the townships of Berbera, Borama, Burao, Erigavo, Las Anod, Mandera and Sheikh.

The revised scheme provides for a total expenditure of £231,734 up to 31st March, 1960. A grant of £40,000 has already been approved under D.3260 and an application has been made for a supplementary grant of £96,865 to cover the estimated expenditure on the revised scheme up to 31st March, 1959.

#### C. OTHER SUPPLEMENTARY GRANTS.

In addition to the grants which are required to finance the revised schemes to 31st March, 1959, described above, supplementary grants have also been applied for from the Protectorate Allocation in respect of the following schemes:-

| No.        | Scheme                                | Supplementary Grant Required.<br>£. |
|------------|---------------------------------------|-------------------------------------|
| D.2802 & A | Technical Education                   | 5,091                               |
| D.2806     | Date Cultivation                      | 4,203                               |
| D.2860 & A | Forestry                              | 25,772                              |
| D.2876 & A | Scholarships                          | 27,635                              |
| & B & C    |                                       |                                     |
| D.2895 & A | P.W.D. Development Staff and Services | 28,471                              |
| D.2984 & A | Irrigation and Soil Conservation      | 21,628                              |
| D.3061     | Hydrological Survey                   | 7,143                               |
| D.3142     | Education (Miscellaneous)             | 7,875.                              |

A further capital grant of £6,395 has also been applied for from the Central Allocation of C. D. and W. funds to meet the estimated cost of contract drilling and additional capital equipment required under Scheme D.2858 and A - Geological Survey.



FINANCIAL SUMMARY.

PROTECTORATE ALLOCATION.

| Approved Schemes |             |                                                    | Approved Grant.<br>£. | Expenditure to<br>31.3.1958.<br>£. |
|------------------|-------------|----------------------------------------------------|-----------------------|------------------------------------|
| 1.               | D.1446 B.   | Hides and Skins                                    | 20,397                | 10,039                             |
| 2.               | D.1740 B.   | Agricultural Credit                                | 5,041                 | 2,283                              |
| 3.               | D.2235 & A. | Gum and Incense Warehouse                          | 22,400                | 1,678                              |
| 4.               | D.2552      | Intermediate Day School                            | 9,250                 | 7,983                              |
| 5.               | D.2801      | Camel Abattoir                                     | 68,000                | 8,331                              |
| 6.               | D.2802 & A. | Technical Education                                | 36,698                | 12,755                             |
| 7.               | D.2803 & A. | Temporary Expatriate Staff - Education             | 82,320                | 40,536                             |
| 8.               | D.2804      | Development Officer                                | 6,790                 | 3,359                              |
| 9.               | D.2805      | Girls' Boarding School                             | 1,694                 | 920                                |
| 10.              | D.2806      | Date Cultivation                                   | 18,469                | 14,034                             |
| 11.              | D.2807      | Fisheries                                          | 2,100                 | 1,793                              |
| 12.              | D.2808      | Bonification                                       | 21,000                | 11,519                             |
| 13.              | D.2809      | Transport Pool                                     | 7,662                 | 3,844                              |
| 14.              | D.2818      | Experimental Farms                                 | 4,750                 | 2,444                              |
| 15.              | D.2819      | Mobile Cinema                                      | 2,850                 | 2,850                              |
| 16.              | D.2827      | Senior Secondary School                            | 8,214                 | 5,618                              |
| 17.              | D.2849 & A. | New Broadcasting Station                           | 2,250                 | 2,138                              |
| 18.              | D.2858 & A. | Geological Survey                                  | 10,624                | 4,913                              |
| 19.              | D.2860 & A. | Forestry                                           | 74,889                | 53,154                             |
| 20.              | D.2876 & A. | Scholarships                                       | 42,265                | 32,732                             |
|                  | & B & C     |                                                    |                       |                                    |
| 21.              | D.2895 & A. | Development Staff, P.W.D.                          | 79,754                | 47,624                             |
| 22.              | D.2896 & A. | Intermediate Education                             | 120,275               | 70,972                             |
| 23.              | D.2944 & A. | Range Management                                   | 28,628                | 10,495                             |
| 24.              | D.2945      | Agricultural Education                             | 2,500                 | 1,726                              |
| 25.              | D.2970      | Somali Dictionary                                  | 1,720                 | 570                                |
| 26.              | D.2984 & A. | Irrigation and Soil Conservation                   | 71,500                | 51,021                             |
| 27.              | D.3061      | Hydrological Survey                                | 24,890                | 18,417                             |
| 28.              | D.3108 & A. | Tuberculosis Control                               | 88,712                | 12,039                             |
| 29.              | D.3121      | Hargeisa Water Supply                              | 80,000                | 18,346                             |
| 30.              | D.3131      | Rest House, Ga'an Libah                            | 1,500                 | 1,438                              |
| 31.              | D.3142      | Education (Miscellaneous)                          | 55,440                | 42,600                             |
| 32.              | D.3146      | Training of Administrator, Save the Children Fund. | 800                   | 362                                |
| 33.              | D.3159      | Berbera Port                                       | 283,000               | 74,302                             |
| 34.              | D.3259      | Livestock Improvement                              | 9,000                 | 4,568                              |
| 35.              | D.3260      | Rural Water Supplies                               | 40,000                | 38,553                             |
| 36.              | D.3273      | Hargeisa Airport Terminal                          | 14,130                | 5,950                              |
| 37.              | D.3287      | Secondary School, Sheikh                           | 122,000               | 505                                |
| 38.              | D.3303      | Police Training School                             | 15,600                | 6,598.                             |
| <u>TOTALS:</u>   |             |                                                    | 1,487,162             | 629,009.                           |



CENTRAL ALLOCATION.

| Approved Schemes                    | Approved Grant.<br>£. | Expenditure to<br>31.3.1958<br>£. |
|-------------------------------------|-----------------------|-----------------------------------|
| 1. R.632 Anthropological Research   | 5,833                 | 5,508                             |
| 2. D.2143 & A. Broadcasting Station | 20,830                | 20,523                            |
| . D.2849 & A. Broadcasting Station  | 13,105                | 11,445                            |
| 3. D.2858 & A. Geological Survey    | 58,876                | 32,230                            |
| <u>TOTALS:</u>                      | 98,644                | 69,706                            |

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